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(71)Name of Applicant :

1)Ingeniouz

Address of Applicant :#23, Mosque Pallam, Saidapet -----

2)Dr T Lalitha,Jain (Deemed-to-be University)

3)Dr. Sushma Jaiswal,Guru Ghasidas Vishwavidyalaya

4)Dr. Ganesh D R,CMR Institute of Technology

5)Dr.Sapram Srilalitha, ACE Engineering College

6)Dr Kavitha H,Siddaganga Institute of Technology

7)Dr. Gurpreet Singh,Punjab Institute of Technology,Rajpura

8)Dr. Amanpreet Kaur,University Institute of Engineering

9)Dr. Amit Kumar Manocha,Punjab Institute of Technology,Moga

10)Dr. Aashdeep Singh,Punjab Institute of Technology,Rajpura

11)Dr. Nabeel Ahmad,IFTM University

12)Dr Arvind Kumar Shukla,IFTM University

13)Makhan kumbhkar,Christian Eminent College

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr T Lalitha,Jain (Deemed-to-be University)

Address of Applicant :Professor, Department of CS & IT, Jain (Deemed-to-be University) - Bengaluru Karnataka India 560041 -----

2)Dr. Sushma Jaiswal,Guru Ghasidas Vishwavidyalaya

Address of Applicant :Assistant Professor, Department of Computer Science & Information Technology (CSIT), Guru Ghasidas Vishwavidyalaya, (A Central University) - Koni, Bilaspur, (C.G.), Chhattisgarh India 495009 -----

3)Dr. Ganesh D R,CMR Institute of Technology

Address of Applicant :Assistant Professor, Department of Information Science and Engineering, CMR Institute of Technology, - Bengaluru Karnataka India 560037 -----

4)Dr.Sapram Srilalitha, ACE Engineering College

Address of Applicant :Professor of Chemistry & Head of R&D, Department- Chemistry, ACE Engineering College, Hyderabad Ankushapur (V) Ghatkesar (M), Medchal(Dt) Hyderabad Telangana India 501301 -----

5)Dr Kavitha H,Siddaganga Institute of Technology

Address of Applicant :Associate Professor, Department of Information Science and Engineering, Siddaganga Institute of Technology BH Road Tumakuru Karnataka India 572103 -----

6)Dr. Gurpreet Singh,Punjab Institute of Technology,Rajpura

Address of Applicant :Associate Professor, Department of Computer Science & Engineering, Punjab Institute of Technology, Rajpura (MRSPTU Bathinda) Rajpura Punjab India 140401 ---

7)Dr. Amanpreet Kaur,University Institute of Engineering

Address of Applicant :Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering, Chandigarh University, Gharaur, Mohali Punjab India 140413 -----

8)Dr. Amit Kumar Manocha,Punjab Institute of Technology,Moga

Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTB Garh, Moga (MRSPTU Bathinda) Jagjeetpur, Moga Punjab India 142049 -----

9)Dr. Aashdeep Singh,Punjab Institute of Technology,Rajpura

Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Punjab Institute of Technology, Rajpura (MRSPTU Bathinda) Rajpura Punjab India 140401 ---

10)Dr. Nabeel Ahmad,IFTM University

Address of Applicant :Associate Professor & Head, School of Biotechnology, IFTM University - Moradabad Uttar Pradesh India 244102 -----

11)Dr Arvind Kumar Shukla,IFTM University

Address of Applicant :Associate Professor, Department of Computer Application, IFTM University - Moradabad Uttar Pradesh India 244102 -----

12)Makhan kumbhkar,Christian Eminent College

Address of Applicant :Asst. Prof., Department of Computer Science & Elex, Christian Eminent College - Indore Madhya Pradesh India 452001 -----

(57) Abstract :

Innovative technology based solutions have explored several fields especially pharmaceutical field. The medical officers generally prescribe drugs to the patient by checking for any side effects towards any drugs. Conventionally these drugs are delivered by pharmacists, where sometimes there is possibility of patient getting their own medication. In such cases, the pharmacist has to evaluate the interaction of drugs, repetitiveness of the drug and the date of prescription in order to optimize pharmacy service to the patient. There is possibility of human error, as it is not possible for the pharmacist to keep all drug interactions in mind, leading to even serious effects such as death of the patient due to side effects. This invention proposes AI and wireless based smart drug prescription management method such that delivery of drugs can be made autonomous by the pharmacy management. Optical identification is utilized to identify the information of drug prescription which is stored in pharmacy care database for further retrieval. Drug interactions are priorly stored in the database to crosscheck everytime before delivering the drugs to any patient. This method is efficient in drug prescription management guaranteeing no side effect due to drug interaction.